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; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-09-347-613C-12

Query Match      100.0%; Score 601; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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    |||||||
QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
    |||||||
Db 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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RESULT 4
US-09-220-528-4
; Sequence 4, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-4

Query Match      100.0%; Score 601; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGPGSRARAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 60
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Db 4 AGPGSRARAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 63
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QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
    |||||||
Db 64 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116
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RESULT 5
US-09-347-613C-11
; Sequence 11, Application US/09347613C
; Patent No. 6593133
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6593133el Neurotrophic Factors
; FILE REFERENCE: NeuroSearch 19313-001
; CURRENT APPLICATION NUMBER: US/09/347,613C
; CURRENT FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
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PRIOR APPLICATION NUMBER: DANISH 1998 01048  
PRIOR FILING DATE: 1998-08-19  
PRIOR APPLICATION NUMBER: USSN 60/097,774  
PRIOR FILING DATE: 1998-08-25  
PRIOR APPLICATION NUMBER: DANISH 1998 01260  
PRIOR FILING DATE: 1998-10-05  
PRIOR APPLICATION NUMBER: USSN 60/103,908  
PRIOR FILING DATE: 1998-10-13  
PRIOR APPLICATION NUMBER: DANISH 1998 01265  
PRIOR FILING DATE: 1998-10-06  
NUMBER OF SEQ ID NOS: 43  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 116  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CARBOHYD  
LOCATION: (98)  
OTHER INFORMATION: glycosylated asparagine  
US-09-347-613C-11

Query Match 100.0%; Score 601; DB 2; Length 116;  
Best Local Similarity 100.0%; Pred. No. 1.5e-63;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 60  
Db 4 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 63

Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113  
Db 64 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

RESULT 6  
US-09-662-183A-11  
Sequence 11, Application US/09662183A  
Patent No. 6734284  
GENERAL INFORMATION:  
APPLICANT: Johansen, Teit E.  
APPLICANT: Blom, Nikolaj  
APPLICANT: Hansen, Claus  
TITLE OF INVENTION: No. 6734284e1 Neurotrophic Factors  
FILE REFERENCE: 19313-001 DIV  
CURRENT APPLICATION NUMBER: US/09/662.183A  
CURRENT FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: DANISH 1998 00904  
PRIOR FILING DATE: 1998-07-06  
PRIOR APPLICATION NUMBER: USSN 60/092,229  
PRIOR FILING DATE: 1998-07-09  
PRIOR APPLICATION NUMBER: DANISH 1998 01048  
PRIOR FILING DATE: 1998-08-19  
PRIOR APPLICATION NUMBER: USSN 60/097,774  
PRIOR FILING DATE: 1998-08-25  
PRIOR APPLICATION NUMBER: DANISH 1998 01260  
PRIOR FILING DATE: 1998-10-05  
PRIOR APPLICATION NUMBER: USSN 60/103,908  
PRIOR FILING DATE: 1998-10-13  
PRIOR APPLICATION NUMBER: DANISH 1998 01265  
PRIOR FILING DATE: 1998-10-06  
PRIOR APPLICATION NUMBER: 09/347,613  
PRIOR FILING DATE: 2000-07-02  
NUMBER OF SEQ ID NOS: 43  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 116  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CARBOHYD  
LOCATION: (98)  
OTHER INFORMATION: glycosylated asparagine

US-09-662-183A-11

Query Match 100.0%; Score 601; DB 2; Length 116;  
Best Local Similarity 100.0%; Pred. No. 1.5e-63;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 63

Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113  
Db 64 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

RESULT 7  
US-09-220-528-5  
Sequence 5, Application US/09220528A  
Patent No. 6284540  
GENERAL INFORMATION:  
APPLICANT: Milbrandt, Jeffrey D.  
APPLICANT: Baloh, Robert H.  
TITLE OF INVENTION: Artemin, A No. 6284540e1 Neurotrophic Factor  
FILE REFERENCE: 6029-7998  
CURRENT APPLICATION NUMBER: US/09/220,528A  
CURRENT FILING DATE: 1998-12-24  
EARLIER APPLICATION NUMBER: 09/218,698  
EARLIER FILING DATE: 1998-12-22  
EARLIER APPLICATION NUMBER: 60/108,148  
EARLIER FILING DATE: 1998-11-12  
EARLIER APPLICATION NUMBER: 09/163,283  
EARLIER FILING DATE: 1998-09-29  
NUMBER OF SEQ ID NOS: 120  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 140  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-220-528-5

Query Match 100.0%; Score 601; DB 2; Length 140;  
Best Local Similarity 100.0%; Pred. No. 1.9e-63;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113  
Db 88 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 140

RESULT 8  
US-09-347-613C-10  
Sequence 10, Application US/09347613C  
Patent No. 6593133  
GENERAL INFORMATION:  
APPLICANT: Johansen, Teit E.  
APPLICANT: Blom, Nikolaj  
APPLICANT: Hansen, Claus  
TITLE OF INVENTION: No. 6593133e1 Neurotrophic Factors  
FILE REFERENCE: NeuroSearch 19313-001  
CURRENT APPLICATION NUMBER: US/09/347,613C  
CURRENT FILING DATE: 1999-07-02  
PRIOR APPLICATION NUMBER: DANISH 1998 00904  
PRIOR FILING DATE: 1998-07-06  
PRIOR APPLICATION NUMBER: USSN 60/092,229  
PRIOR FILING DATE: 1998-07-09  
PRIOR APPLICATION NUMBER: DANISH 1998 01048  
PRIOR FILING DATE: 1998-08-19  
PRIOR APPLICATION NUMBER: USSN 60/097,774  
PRIOR FILING DATE: 1998-08-25

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; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (122)
; OTHER INFORMATION: glycosylated asparagine
US-09-347-613C-10

Query Match      100.0%; Score 601; DB 2; Length 140;
Best Local Similarity 100.0%; Pred. No. 1.9e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 28 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLAS 87
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Qy 61 LLGAGALRPPPGSRPVSPQCCPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
    |||||
Db 88 LLGAGALRPPPGSRPVSPQCCPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 140
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RESULT 9
US-09-662-183A-10
; Sequence 10, Application US/09662183A
; Patent No. 6734284
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6734284el Neurotrophic Factors
; FILE REFERENCE: 19313-001 DIV
; CURRENT APPLICATION NUMBER: US/09/662,183A
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 09/347,613
; PRIOR FILING DATE: 2000-07-02
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (122)
; OTHER INFORMATION: glycosylated asparagine
US-09-662-183A-10

Query Match      100.0%; Score 601; DB 2; Length 140;
Best Local Similarity 100.0%; Pred. No. 1.9e-63;
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Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 28 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLAS 87
    |||||

Qy 61 LLGAGALRPPPGSRPVSPQCCPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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Db 88 LLGAGALRPPPGSRPVSPQCCPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 140
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RESULT 10
US-09-220-528-12
; Sequence 12, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; PRIOR FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-12

Query Match      100.0%; Score 601; DB 2; Length 159;
Best Local Similarity 100.0%; Pred. No. 2.2e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLAS 60
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Db 47 AGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLAS 106
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Qy 61 LLGAGALRPPPGSRPVSPQCCPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
    |||||
Db 107 LLGAGALRPPPGSRPVSPQCCPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 159
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RESULT 11
US-09-220-528-89
; Sequence 89, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; PRIOR FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-89
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-26

Query Match 100.0%; Score 601; DB 2; Length 159;
Best Local Similarity 100.0%; Pred. No. 2.2e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 60
Db 47 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 106

QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 107 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 159

RESULT 12
US-09-220-528-40
; Sequence 40, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-40

Query Match 100.0%; Score 601; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.6e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 60
Db 69 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 128

QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 129 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 181

RESULT 13
US-09-220-528-26
; Sequence 26, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-347-613C-9

Query Match 100.0%; Score 601; DB 2; Length 220;
Best Local Similarity 100.0%; Pred. No. 3.4e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 108 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 167

QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 168 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 220

RESULT 14
US-09-347-613C-9
; Sequence 9, Application US/09347613C
; Patent No. 6593133
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6593133el Neurotrophic Factors
; FILE REFERENCE: NeuroSearch 19313-001
; CURRENT APPLICATION NUMBER: US/09/347,613C
; CURRENT FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-347-613C-9

Query Match 100.0%; Score 601; DB 2; Length 220;
Best Local Similarity 100.0%; Pred. No. 3.4e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 60
Db 108 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDDELVRFRFCGSCRRARSPHDLAS 167

QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 168 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 220

RESULT 15
US-09-347-613C-35
; Sequence 35, Application US/09347613C
; Patent No. 6593133
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6593133el Neurotrophic Factors

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; FILE REFERENCE: NeuroSearch 19313-001
; CURRENT APPLICATION NUMBER: US/09/347,613C
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-347-613C-35

Query Match      100.0%; Score 601; DB 2; Length 220;
Best Local Similarity 100.0%; Pred. No. 3.4e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      108 AGGPGSRAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 167
        |||||||

Qy      61 LLGAGALRPPGSRPVSPCCRTTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
        |||||||
Db      168 LLGAGALRPPGSRPVSPCCRTTRYEAVSFMDVNSTWRTVDRLSATACGCLG 220
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: January 18, 2006, 21:37:03 ; Search time 116 Seconds  
(without alignments)  
407.023 Million cell updates/sec

Title: US-09-357-349d-3  
Perfect score: 601  
Sequence: 1 AGGPGSRRARAGAGCRLRS.....VNSTWRTVDRLSATACGCLG 113

Scoring table: BLOSUM62  
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Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA Main:  
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3: /cgm2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	601	100.0	113	3	US-09-220-920-3
2	601	100.0	113	3	US-09-804-615-12
3	601	100.0	113	4	US-10-669-853-13
4	601	100.0	113	4	US-10-661-984A-12
5	601	100.0	113	5	US-10-806-793-12
6	601	100.0	113	5	US-10-451-567-1
7	601	100.0	113	5	US-10-864-891-14
8	601	100.0	113	5	US-10-356-264A-2
9	601	100.0	113	5	US-10-794-801-1
10	601	100.0	113	6	US-11-074-498-3
11	601	100.0	114	3	US-09-804-615-37
12	601	100.0	114	4	US-10-661-984A-54
13	601	100.0	116	3	US-09-220-920-4
14	601	100.0	116	3	US-09-804-615-11
15	601	100.0	116	4	US-10-669-853-12
16	601	100.0	116	4	US-10-661-984A-11
17	601	100.0	116	5	US-10-806-793-11
18	601	100.0	116	5	US-10-864-891-13
19	601	100.0	116	5	US-10-356-264A-7
20	601	100.0	132	5	US-10-864-891-9
21	601	100.0	132	5	US-10-864-891-32
22	601	100.0	135	3	US-09-804-615-40
23	601	100.0	135	4	US-10-661-984A-57
24	601	100.0	135	5	US-10-356-264A-36
25	601	100.0	139	6	US-11-074-498-4
26	601	100.0	140	3	US-09-220-920-5
27	601	100.0	140	3	US-09-804-615-10

28	601	100.0	140	4	US-10-669-853-11	Sequence 11, Appl
29	601	100.0	140	4	US-10-661-984A-10	Sequence 10, Appl
30	601	100.0	140	5	US-10-806-793-10	Sequence 10, Appl
31	601	100.0	140	5	US-10-864-891-21	Sequence 21, Appl
32	601	100.0	140	5	US-10-356-264A-6	Sequence 6, Appl
33	601	100.0	140	5	US-10-864-891-26	Sequence 26, Appl
34	601	100.0	152	5	US-11-074-498-30	Sequence 30, Appl
35	601	100.0	154	6	US-09-220-920-12	Sequence 12, Appl
36	601	100.0	159	3	US-09-220-920-89	Sequence 89, Appl
37	601	100.0	159	3	US-10-864-891-31	Sequence 31, Appl
38	601	100.0	159	6	US-11-074-498-7	Sequence 7, Appl
39	601	100.0	179	5	US-10-864-891-25	Sequence 25, Appl
40	601	100.0	181	3	US-09-220-920-40	Sequence 40, Appl
41	601	100.0	220	3	US-09-220-920-26	Sequence 26, Appl
42	601	100.0	220	3	US-09-804-615-9	Sequence 9, Appl
43	601	100.0	220	4	US-10-001-054-56	Sequence 56, Appl
44	601	100.0	220	4	US-10-223-085-318	Sequence 318, App
45	601	100.0	220	4	US-10-223-084-318	Sequence 318, App

ALIGNMENTS

RESULT 1  
US-09-220-920-3  
; Sequence 3, Application US/09220920  
; Patent No. US20020002269A1  
; GENERAL INFORMATION:  
; APPLICANT: Milbrandt, Jeffrey D.  
; TITLE OF INVENTION: Artemin, A No. US20020002269A1el Neurotrophic Factor  
; FILE REFERENCE: 6029-7996  
; CURRENT APPLICATION NUMBER: US/09/220,920  
; CURRENT FILING DATE: 1998-12-24  
; EARLIER APPLICATION NUMBER: 09/163,283  
; EARLIER FILING DATE: 1998-09-29  
; EARLIER APPLICATION NUMBER: 60/108,148  
; EARLIER FILING DATE: 1998-11-12  
; EARLIER APPLICATION NUMBER: 09/218,698  
; EARLIER FILING DATE: 1998-12-22  
; NUMBER OF SEQ ID NOS: 120  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-220-920-3

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Qy	61	LLGAGALRPPGSRPVSPQCCPRTRYAVSFMDVNSTWRTVDRLSATACGCLG	113	
Db	61	LLGAGALRPPGSRPVSPQCCPRTRYAVSFMDVNSTWRTVDRLSATACGCLG	113	

RESULT 2  
US-09-804-615-12  
; Sequence 12, Application US/09804615  
; Patent No. US20020055467A1  
; GENERAL INFORMATION:  
; APPLICANT: Johansen, Teit E.  
; APPLICANT: Wen-Yee Saw, Dinah  
; TITLE OF INVENTION: No. US20020055467A1el Neurotrophic Factors  
; FILE REFERENCE: No. US20020055467A1el Neurotrophic Factors  
; CURRENT APPLICATION NUMBER: US/09/804,615  
; CURRENT FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: DANISH 1998 00904

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; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: U.S.N 09/347,613
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-09-804-615-12

Query Match          100.0%; Score 601; DB 3; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
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RESULT 3
US-10-669-853-13
; Sequence 13, Application US/10669853
; Publication No. US20040077543A1
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; TITLE OF INVENTION: Treatment Using Neubiastin Polypeptides
; FILE REFERENCE: 00689-507 (A118) utility
; CURRENT APPLICATION NUMBER: US/10/669,853
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: USSN 60/287,554
; PRIOR FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-10-669-853-13

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;
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DB 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
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DB 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113

RESULT 4
US-10-661-984A-12
; Sequence 12, Application US/10661984A
; Publication No. US20040142418A1
; GENERAL INFORMATION:
; APPLICANT: Biogen Idec Ma Inc.
; APPLICANT: NSGene
; APPLICANT: Johansen, Teit E.
; APPLICANT: Sah, Dinah Wen-Yee
; APPLICANT: Rossomando, Anthony
; TITLE OF INVENTION: Novel Neurotrophic Factors
; FILE REFERENCE: C045 US CP2
; CURRENT APPLICATION NUMBER: US/10/661,984A
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: Danish 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: 60/092229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: Danish 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: 60/097774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/103908
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)...(95)
; OTHER INFORMATION: glycosylated asparagine
US-10-661-984A-12

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
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RESULT 5
US-10-806-793-12
; Sequence 12, Application US/10806793
; Publication No. US20040230043A1
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: Novel Neurotrophic Factors
; FILE REFERENCE: 19313-001 DIV
; CURRENT APPLICATION NUMBER: US/10/806,793
; CURRENT FILING DATE: 2004-03-22
; PRIOR APPLICATION NUMBER: US/09/662,183
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
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;; PRIOR FILING DATE: 1998-08-19  
;; PRIOR APPLICATION NUMBER: USSN 60/097,774  
;; PRIOR FILING DATE: 1998-08-25  
;; PRIOR APPLICATION NUMBER: DANISH 1998 01260  
;; PRIOR FILING DATE: 1998-10-05  
;; PRIOR APPLICATION NUMBER: USSN 60/103,908  
;; PRIOR FILING DATE: 1998-10-13  
;; PRIOR APPLICATION NUMBER: DANISH 1998 01265  
;; PRIOR FILING DATE: 1998-10-06  
;; PRIOR APPLICATION NUMBER: 09/347,613  
;; PRIOR FILING DATE: 2000-07-02  
;; NUMBER OF SEQ ID NOS: 43  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 12  
;; LENGTH: 113  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: CARBOHYD  
;; LOCATION: (95)  
;; OTHER INFORMATION: glycosylated asparagine  
US-10-806-793-12

Query Match 100.0%; Score 601; DB 5; Length 113;  
Best Local Similarity 100.0%; Pred. No. 5.4e-48;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 61 LLGAGALRPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113

RESULT 6  
US-10-451-567-1  
;; Sequence 1, Application US/10451567  
;; Publication No. US2004024272A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Phillippe, Heidi S.  
;; TITLE OF INVENTION: New Use of Artemin, A Member of the GDNF  
;; FILE REFERENCE: 39766-0042R1  
;; CURRENT APPLICATION NUMBER: US/10/451,567  
;; CURRENT FILING DATE: 2003-06-20  
;; PRIOR APPLICATION NUMBER: PCT/US01/50112  
;; PRIOR FILING DATE: 2001-12-19  
;; PRIOR APPLICATION NUMBER: 60/257,601  
;; PRIOR FILING DATE: 2000-12-22  
;; NUMBER OF SEQ ID NOS: 7  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 1  
;; LENGTH: 113  
;; TYPE: PRT  
;; ORGANISM: Homo Sapiens  
US-10-451-567-1

Query Match 100.0%; Score 601; DB 5; Length 113;  
Best Local Similarity 100.0%; Pred. No. 5.4e-48;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFRCGSCRRARSPHDLSLAS 60  
Db 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFRCGSCRRARSPHDLSLAS 60  
  
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Db 61 LLGAGALRPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113

RESULT 7  
US-10-864-891-14  
;; Sequence 14, Application US/10864891  
;; Publication No. US20050089960A1  
;; GENERAL INFORMATION:  
;; APPLICANT: NsGene A/S  
;; APPLICANT: Gronborg, Mette  
;; APPLICANT: Wahlberg, Lars  
;; APPLICANT: Tornoe, Jens  
;; APPLICANT: Kuusk, Philip  
;; TITLE OF INVENTION: Improved secretion of Neublabin  
;; FILE REFERENCE: P 951 US00  
;; CURRENT APPLICATION NUMBER: US/10/864,891  
;; CURRENT FILING DATE: 2004-06-10  
;; NUMBER OF SEQ ID NOS: 37  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 14  
;; LENGTH: 113  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-864-891-14

Query Match 100.0%; Score 601; DB 5; Length 113;  
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Db 61 LLGAGALRPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113

RESULT 8  
US-10-356-264A-2  
;; Sequence 2, Application US/10356264A  
;; Publication No. US20050142098A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Sah, Dinah Wen-Yee  
;; APPLICANT: Pepinsky, R. Blake  
;; APPLICANT: Boriack-Sjodin, Paula Ann  
;; APPLICANT: Miller, Stephan S.  
;; APPLICANT: Rosomando, Anthony  
;; APPLICANT: Silvian, Laura  
;; TITLE OF INVENTION: POLYMER CONJUGATES OF MUTATED NEUBLASTIN  
;; FILE REFERENCE: 13751-053001 / All US CIP  
;; CURRENT APPLICATION NUMBER: US/10/356,264A  
;; CURRENT FILING DATE: 2003-01-31  
;; PRIOR APPLICATION NUMBER: PCT/US02/02319  
;; PRIOR FILING DATE: 2002-01-25  
;; PRIOR APPLICATION NUMBER: US 60/266,071  
;; PRIOR FILING DATE: 2001-02-01  
;; NUMBER OF SEQ ID NOS: 36  
;; SOFTWARE: FastSeq for Windows Version 4.0  
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;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; NAME/KEY: VARIANT  
;; LOCATION: (1)...(113)  
;; OTHER INFORMATION: mature NEN113  
US-10-356-264A-2

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;  
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QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113  
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## RESULT 9

US-10-794-801-1  
; Sequence 1, Application US/10794801  
; Publication No. US20050181991A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheltan, David L.  
; APPLICANT: Phillips, Heidi S.  
; TITLE OF INVENTION: New Use of Artemin, A Member of the GDNF  
; FILE REFERENCE: 39766-0042R1  
; CURRENT APPLICATION NUMBER: US/10794,801  
; PRIOR FILING DATE: 2004-03-05  
; PRIOR FILING DATE: US/10/451,567  
; PRIOR FILING DATE: 2003-06-20  
; PRIOR APPLICATION NUMBER: PCT/US01/50112  
; PRIOR FILING DATE: 2001-12-19  
; PRIOR APPLICATION NUMBER: 60/257,601  
; PRIOR FILING DATE: 2000-12-22  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-794-801-1

Query Match 100.0%; Score 601; DB 5; Length 113;  
Best Local Similarity 100.0%; Pred. No. 5.4e-48;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 AGGPGSARAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 60  
QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113  
Db 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113

## RESULT 10

US-11-074-498-3  
; Sequence 3, Application US/11074498  
; Publication No. US2005023359A1  
; GENERAL INFORMATION:  
; APPLICANT: Geerts, Hugo  
; APPLICANT: Masure, Stefan  
; APPLICANT: Cik, Mirosław  
; APPLICANT: Meert, Theo  
; APPLICANT: Ver Donck, Luc  
; TITLE OF INVENTION: NEUROTROPHIC GROWTH FACTOR  
; FILE REFERENCE: 43962-010700  
; CURRENT APPLICATION NUMBER: US/11/074,498  
; CURRENT FILING DATE: 2005-03-08  
; PRIOR APPLICATION NUMBER: US/09/357,349  
; PRIOR FILING DATE: 1999-07-14  
; PRIOR APPLICATION NUMBER: 09/327,668  
; PRIOR FILING DATE: 1999-06-08  
; PRIOR APPLICATION NUMBER: 09/248,772  
; PRIOR FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: GB 9815283.8  
; PRIOR FILING DATE: 1998-07-14  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3  
; LENGTH: 113  
; TYPE: PRT  
; ORGANISM: Homo sapiens

## US-11-074-498-3

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;  
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QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113  
Db 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113

## RESULT 11

US-09-804-615-37  
; Sequence 37, Application US/09804615  
; Patent No. US20020055467A1  
; GENERAL INFORMATION:  
; APPLICANT: Johansen, Teit E.  
; APPLICANT: Wen-Yee Saw, Dinah  
; TITLE OF INVENTION: No. US20020055467A1el Neurotrophic Factors  
; FILE REFERENCE: No. US20020055467A1el Neurotrophic Factors  
; CURRENT APPLICATION NUMBER: US/09/804,615  
; CURRENT FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: DANISH 1998 00904  
; PRIOR FILING DATE: 1998-07-06  
; PRIOR APPLICATION NUMBER: USSN 60/092,229  
; PRIOR FILING DATE: 1998-07-09  
; PRIOR APPLICATION NUMBER: DANISH 1998 01048  
; PRIOR FILING DATE: 1998-08-19  
; PRIOR APPLICATION NUMBER: USSN 60/097,774  
; PRIOR FILING DATE: 1998-08-25  
; PRIOR APPLICATION NUMBER: USSN 60/103,908  
; PRIOR FILING DATE: 1998-10-13  
; PRIOR APPLICATION NUMBER: DANISH 1998 01265  
; PRIOR FILING DATE: 1998-10-06  
; PRIOR APPLICATION NUMBER: U.S.N 09/347,613  
; PRIOR FILING DATE: 1999-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 37  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:synthetic  
; OTHER INFORMATION: Neublartin  
US-09-804-615-37

Query Match 100.0%; Score 601; DB 3; Length 114;  
Best Local Similarity 100.0%; Pred. No. 5.4e-48;  
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 2 AGGPGSARAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 61  
QY 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113  
Db 62 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 114  
RESULT 12  
US-10-661-984A-54  
; Sequence 54, Application US/10661984A  
; Publication No. US20040142418A1  
; GENERAL INFORMATION:  
; APPLICANT: Biogen Idec Ma Inc.  
; APPLICANT: NSGene  
; APPLICANT: Johansen, Teit E.  
; APPLICANT: Sah, Dinah Wen-Yee



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; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (98)
; OTHER INFORMATION: glycosylated asparagine
US-10-669-853-12

Query Match      100.0%; Score 601; DB 4; Length 116;
Best Local Similarity 100.0%; Pred. No. 5.5e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGGPGSRARAAGAGCGCLRLRSQLVFVRALGLGHRSDLVRFPCSGSCRRARSPHDLSLAS 60
Db      4 AGGPGSRARAAGAGCGCLRLRSQLVFVRALGLGHRSDLVRFPCSGSCRRARSPHDLSLAS 63

Qy      61 LLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db      64 LLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

Search completed: January 18, 2006, 21:47:54
Job time : 116 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2006 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 18, 2006, 21:37:34 ; Search time 31 Seconds  
(without alignments)  
36.940 Million cell updates/sec

Title: US-09-357-349D-3

Perfect score: 601

Sequence: 1 AGPGSRARAGRCRLRS.....VNSTWRTVDRLSATACGLG 113

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 70606 seqs, 10133881 residues

Total number of hits satisfying chosen parameters: 70606

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New:\*

- 1: /cgn2\_6/ptodata/1/pubaa/US08\_NEW\_PUB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubaa/US06\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubaa/US07\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubaa/PCT\_NEW\_PUB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubaa/US03\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubaa/US10\_NEW\_PUB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubaa/US11\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	167.5	27.9	133	7	US-11-149-462-5
2	84	14.0	107	6	US-10-816-768-58
3	83.5	13.9	308	6	US-10-821-234-1332
4	83.5	13.9	308	6	US-10-995-561-944
5	83.5	13.9	372	6	US-10-650-326B-13
6	81.5	13.6	641	6	US-10-848-976-1
7	79	13.1	105	6	US-10-816-768-61
8	79	13.0	367	6	US-10-821-234-1058
9	78	13.0	239	6	US-10-821-234-1186
10	77.5	12.9	455	6	US-10-650-326B-14
11	73.5	12.2	139	6	US-10-650-326B-6
12	73.5	12.2	399	6	US-10-650-326B-23
13	73.5	12.2	399	7	US-11-051-568-27
14	73	12.1	203	6	US-10-816-768-100
15	72.5	12.1	118	6	US-10-816-768-48
16	72	12.0	1377	6	US-10-821-234-1070
17	71	11.8	364	7	US-11-108-528-38
18	71	11.8	365	7	US-11-108-528-36
19	69.5	11.6	98	6	US-10-816-768-42
20	69.5	11.6	102	6	US-10-816-768-47
21	69.5	11.6	102	6	US-10-816-768-53
22	69.5	11.6	112	7	US-11-082-884-1
23	69.5	11.6	438	6	US-10-650-326B-9
24	69.5	11.6	513	6	US-10-650-326B-16
25	69.5	11.6	513	7	US-11-000-463-816

26	69	11.5	103	6	US-10-816-768-50	Sequence 50, Appl
27	69	11.5	472	6	US-10-650-326B-12	Sequence 12, Appl
28	69	11.5	472	7	US-11-092-353-3	Sequence 3, Appl
29	69	11.5	478	7	US-11-092-353-4	Sequence 4, Appl
30	69	11.5	588	6	US-10-650-326B-7	Sequence 7, Appl
31	68.5	11.4	1454	7	US-11-109-157A-2	Sequence 2, Appl
32	68.5	11.4	1686	7	US-11-109-157A-1	Sequence 1, Appl
33	68.5	11.4	1686	7	US-11-226-701-2	Sequence 84, Appl
34	67	11.1	102	6	US-10-816-768-84	Sequence 85, Appl
35	67	11.1	102	6	US-10-816-768-85	Sequence 86, Appl
36	67	11.1	102	6	US-10-816-768-86	Sequence 25, Appl
37	66.5	11.1	407	7	US-11-051-267-25	Sequence 69, Appl
38	66	11.0	117	6	US-10-816-768-69	Sequence 89, Appl
39	66	11.0	129	6	US-10-816-768-89	Sequence 68, Appl
40	66	11.0	139	6	US-10-816-768-88	Sequence 5, Appl
41	66	11.0	139	6	US-10-650-326B-5	Sequence 21, Appl
42	66	11.0	402	6	US-10-650-326B-21	Sequence 29, Appl
43	66	11.0	402	7	US-11-051-568-29	Sequence 12, Appl
44	66	11.0	1159	6	US-10-613-744-12	Sequence 56, Appl
45	65.5	10.9	102	6	US-10-816-768-56	

ALIGNMENTS

RESULT 1  
US-11-149-462-5  
; Sequence 5, Application US/11149462  
; Publication No. US20060002978A1  
; GENERAL INFORMATION:  
; APPLICANT: Shea, Lonnie D.  
; APPLICANT: Whittlesey, Kevin  
; APPLICANT: Yang, Chang  
; APPLICANT: Rives, Christopher  
; APPLICANT: Rovedo, Mark  
; APPLICANT: Iskandar, Bermans  
; TITLE OF INVENTION: Biodegradable Scaffolds and Uses Thereof  
; FILE REFERENCE: 1720-1-011N  
; CURRENT APPLICATION NUMBER: US/11/149,462  
; CURRENT FILING DATE: 2005-06-09  
; PRIOR APPLICATION NUMBER: 60/578,785  
; PRIOR FILING DATE: 2004-06-10  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 133  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-149-462-5

Query Match 27.9%; Score 167.5; DB 7; Length 133;  
Best Local Similarity 36.9%; Pred. No. 2.2e-11;  
Matches 41; Conservative 18; Mismatches 47; Indels 5; Gaps 2;  
  
Qy 3 GPGRARAAGRCRLRSOLVPRALGLHRSDELVRFCGSCRRARSPHDLASLL 62  
Db 27 GKRRGQKRGKRGCVLTAHLNVTDLGLGYETKEELIFRYCGSCDAATTVDKILKNLS 86  
  
Qy 63 GAGALRPPGSRPVSPQCRRTRY-EAVSFMDVNSTWRTVDRLSATACGL 112  
Db 87 RNRL-----VSDKVGQACCRPIAFDDLLSFLDDNLVYHLRKHSARCGCI 133

RESULT 2  
US-10-816-768-58  
; Sequence 58, Application US/10816768  
; Publication No. US20050250936A1  
; GENERAL INFORMATION:  
; APPLICANT: Oppermann, Hermann  
; APPLICANT: Tai, Mei-Sheng  
; APPLICANT: McCartney, John  
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins





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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-650-326B-14

Query Match      12.9%; Score 77.5; DB 6; Length 455;
Best Local Similarity 23.4%; Pred. No. 0.32;
Matches 26; Conservative 20; Mismatches 44; Indels 21; Gaps 6;

QY 14 RCRRLRSQVPRALGLHRSDELVRFR-----FCGSGCRARSPH-----DLSLASLIGA 64
Db 352 RSCQMTLYIFDKLQW---HDWITAPGYGAFYCSGECNPLNAHMMATHAIVQTL-V 407

QY 65 GALLRPPGSRPVSPCCRPTRYEAVSFM-----DVNSTWRTVDRLSATACGC 111
Db 408 HLLRP-----KKVPKPCCAPTRLGALPVLVHLNDENVNLKRYRMIVKSCGC 454

RESULT 11
US-10-650-326B-6
; Sequence 6, Application US/10650326B
; Publication No. US20050272649A1
; GENERAL INFORMATION:
; APPLICANT: Hruska, Keith A.
; APPLICANT: McCartney, John E.
; APPLICANT: Charrette, Marc F.
; TITLE OF INVENTION: CONJOINT ADMINISTRATION OF MORPHOGENS AND ACE INHIBITORS IN
; FILE REFERENCE: JJJ-P01-599
; CURRENT APPLICATION NUMBER: US/10/650,326B
; PRIOR FILING DATE: 2003-08-28
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-650-326B-6

Query Match      12.2%; Score 73.5; DB 6; Length 139;
Best Local Similarity 26.7%; Pred. No. 0.25;
Matches 35; Conservative 13; Mismatches 40; Indels 43; Gaps 8;

QY 3 GPGSRAAGARGCRLRSQVPRALG-----LGRSDELVRFRFCG-----SC 47
Db 29 GHGSRGREV-----CRRHLYVSPFDLGLDWVIAPOGYS-----YCEGCAFFLDSC 78

QY 48 RRARSPhDL-SLASLLGAGALRPPGSRP--VSQPCCRPTRYEAVSFMVDVNSTWRTVDR- 103
Db 79 MNATNHAILQSLVHLM-----KPDVVPKACCAPTKLSATSVLYYDSSNNVILRK 127

QY 104 ---LSATACGC 111
Db 128 HRNMVVKACGC 138

RESULT 12
US-10-650-326B-23
; Sequence 23, Application US/10650326B
; Publication No. US20050272649A1
; GENERAL INFORMATION:
; APPLICANT: Hruska, Keith A.
; APPLICANT: McCartney, John E.
; APPLICANT: Charrette, Marc F.
; TITLE OF INVENTION: CONJOINT ADMINISTRATION OF MORPHOGENS AND ACE INHIBITORS IN
; FILE REFERENCE: JJJ-P01-599
; CURRENT APPLICATION NUMBER: US/10/650,326B
; PRIOR FILING DATE: 2003-08-28
;
; PRIOR APPLICATION NUMBER: 60/406,431
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 23
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-650-326B-23

Query Match      12.2%; Score 73.5; DB 6; Length 399;
Best Local Similarity 26.7%; Pred. No. 0.75;
Matches 35; Conservative 13; Mismatches 40; Indels 43; Gaps 8;

QY 3 GPGSRAAGARGCRLRSQVPRALG-----LGRSDELVRFRFCG-----SC 47
Db 289 GHGSRGREV-----CRRHLYVSPFDLGLDWVIAPOGYS-----YCEGCAFFLDSC 338

QY 48 RRARSPhDL-SLASLLGAGALRPPGSRP--VSQPCCRPTRYEAVSFMVDVNSTWRTVDR- 103
Db 339 MNATNHAILQSLVHLM-----KPDVVPKACCAPTKLSATSVLYYDSSNNVILRK 397

QY 104 ---LSATACGC 111
Db 388 HRNMVVKACGC 398

RESULT 13
US-11-051-568-27
; Sequence 27, Application US/11051568
; Publication No. US20050255141A1
; GENERAL INFORMATION:
; APPLICANT: OPPERMAN, HERMANN
; APPLICANT: OZKAYNAK, ENGIN
; APPLICANT: KUBERASAMPATH, THANGAVEL
; APPLICANT: RUEGER, DAVID C.
; APPLICANT: PANG, ROY H.L.
; TITLE OF INVENTION: OSTEOGENIC DEVICES
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: 125 HIGH STREET
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: U.S.A.
; ZIP: 02110
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/051,568
; FILING DATE: 04-Feb-2005
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 10/321,799
; FILING DATE: 17-DEC-2002
; APPLICATION NUMBER: US 09/148,925
; FILING DATE: 8-SEP-1998
; APPLICATION NUMBER: US 08/449,699
; FILING DATE: 24-MAY-1995
; APPLICATION NUMBER: US 08/147,023
; FILING DATE: 1-NOV-1993
; APPLICATION NUMBER: US 07/841,646
; FILING DATE: 21-FEB-1992
; APPLICATION NUMBER: US 07/827,052
; FILING DATE: 28-JAN-1992
; APPLICATION NUMBER: US 07/579,865
; FILING DATE: 7-SEP-1990
; APPLICATION NUMBER: US 07/621,849
; FILING DATE: 4-DEC-1990
; APPLICATION NUMBER: US 07/621,988

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; FILING DATE: 4-DEC-1990
; APPLICATION NUMBER: US 07/810,560
; FILING DATE: 20-DEC-1991
; APPLICATION NUMBER: US 07/569,920
; FILING DATE: 20-AUG-1990
; APPLICATION NUMBER: US 07/600,024
; FILING DATE: 18-OCT-1990
; APPLICATION NUMBER: US 07/599,543
; FILING DATE: 18-OCT-1990
; APPLICATION NUMBER: US 07/616,374
; FILING DATE: 21-NOV-1990
; APPLICATION NUMBER: US 07/483,913
; FILING DATE: 22-FEB-1990
; APPLICATION NUMBER: US 07/179,406
; FILING DATE: 08-APR-1988
; APPLICATION NUMBER: US 07/232,630
; FILING DATE: 15-AUG-1988
; APPLICATION NUMBER: US 07/315,342
; FILING DATE: 23-FEB-1989
; APPLICATION NUMBER: US 07/660,162
; FILING DATE: 22-FEB-1991
; APPLICATION NUMBER: US 07/422,699
; FILING DATE: 17-OCT-1989
; APPLICATION NUMBER: US 07/422,613
; FILING DATE: 17-OCT-1989
; APPLICATION NUMBER: US 07/422,623
; FILING DATE: 17-OCT-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: DIANA M. STEEL
; REGISTRATION NUMBER: 43,153
; REFERENCE/DOCKET NUMBER: STK-001CP6C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/248-7000
; TELEFAX: 617/248-7100
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-11-051-568-27

Query Match 12.2%; Score 73.5; DB 7; Length 399;
Best Local Similarity 26.7%; Pred. No. 0.75;
Matches 35; Conservative 13; Mismatches 40; Indels 43; Gaps 8;

QY 3 GPGSARAAGRCRLRSQVVRALG-----LGHRSDELVRFRFCG-----SC 47
DB 289 GHGSRGREV-----CRRHLYSFRDLGMDWVIAPOGYS-----YYCEGECAPLDSC 338
QY 48 RRARSFPHDL-SLASLLGAGALRPPPGSRP--VSQPCCRPTRYEAVSFMDVNSTWRTVDR- 103
DB 339 MNATHAILQSLVLM-----KDVVPKACCAPTKLSATSVLYYDSSNNVILRK 387
QY 104 ---LSATACGC 111
DB 388 HRNMVVKACGC 398

RESULT 14
US-10-816-768-100
; Sequence 100, Application US/10816768
; Publication No. US20050250936A1
; GENERAL INFORMATION:
; APPLICANT: Oppermann, Hermann
; APPLICANT: Tai, Mei-Sheng
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins
; FILE REFERENCE: STK-075
; CURRENT APPLICATION NUMBER: US/10/816,768
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO: 104
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: 60A
US-10-816-768-48

Query Match 12.1%; Score 72.5; DB 6; Length 118;
Best Local Similarity 27.8%; Pred. No. 0.27;
Matches 25; Conservative 10; Mismatches 34; Indels 21; Gaps 5;

QY 42 FCGSGCRRARSPH-----DLSLASLLGAGALRPPP-----GSRPV-SQPCCRPTR 85
DB 29 YCSGECNCFPLNAHNMATNHAIVQTLVHLLPKV--PKCCAPTRLGALPVLVHPCCAPTR 87
QY 86 YEAVSFM-----DVNSTWRTVDRLSATACGC 111
DB 88 LGALPVLVHLNDENVNLKKYRNMIKSCGC 117

Search completed: January 18, 2006, 21:48:36
Job time : 31 secs

; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 100
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: H2528
US-10-816-768-100

Query Match 12.1%; Score 73; DB 6; Length 203;
Best Local Similarity 25.2%; Pred. No. 0.42;
Matches 32; Conservative 16; Mismatches 53; Indels 26; Gaps 8;

QY 2 GPGSARAAGRC---CRLRSQVVRALGGLHRSDELV-----RFRFCGSC---RR 49
DB 85 GSGGAGRGHGRGRSRSRKLHVDPKLGM---DWIIAPLDYEAYHCEGLCDFPLRS 141
QY 50 ARSP-HDLSLASLLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDV-----NSTWRTVDR 104
DB 142 HLEPTNHAIITQLINSMA-----PDAPAS--CCVPARLSPISILYIDAANNVVKQYEDM 195
QY 105 SATACGC 111
DB 196 VWEACGC 202

RESULT 15
US-10-816-768-48
; Sequence 48, Application US/10816768
; Publication No. US20050250936A1
; GENERAL INFORMATION:
; APPLICANT: Oppermann, Hermann
; APPLICANT: Tai, Mei-Sheng
; APPLICANT: McCartney, John
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins
; FILE REFERENCE: STK-075
; CURRENT APPLICATION NUMBER: US/10/816,768
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 48
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: 60A
US-10-816-768-48

Query Match 12.1%; Score 72.5; DB 6; Length 118;
Best Local Similarity 27.8%; Pred. No. 0.27;
Matches 25; Conservative 10; Mismatches 34; Indels 21; Gaps 5;

QY 42 FCGSGCRRARSPH-----DLSLASLLGAGALRPPP-----GSRPV-SQPCCRPTR 85
DB 29 YCSGECNCFPLNAHNMATNHAIVQTLVHLLPKV--PKCCAPTRLGALPVLVHPCCAPTR 87
QY 86 YEAVSFM-----DVNSTWRTVDRLSATACGC 111
DB 88 LGALPVLVHLNDENVNLKKYRNMIKSCGC 117

Search completed: January 18, 2006, 21:48:36
Job time : 31 secs
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